


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

 <b>7742</b> <b>Accredited to ISO/IEC 17025:2017</b>	<b>Dŵr Cymru Cyfyngedig</b> <b>Issue No: 047    Issue date: 29 February 2026</b>	
	<b>Dŵr Cymru Welsh Water</b> <b>Glaslyn Laboratory</b> <b>Glaslyn</b> <b>Cleppa Park</b> <b>Newport</b> <b>NP10 8UG</b>	<b>Contact: Amanda Rogers</b> <b>Tel: +44 (0)1633 373007</b> <b>E-Mail: amanda.rogers@dwrwymru.com</b> <b>Website: www.dwrwymru.com</b>

**Testing performed by the Organisation at the locations specified below**

### Locations covered by the organisation and their relevant activities

#### Laboratory locations:

Location details		Activity	Location code
<b>Address</b> Bretton Laboratory Lester Lane Chester CH4 0DA	<b>Local contact</b> Amanda Rogers  <b>Tel: +44 (0)1633 373007</b> <b>Email: amanda.rogers@dwrwymru.com</b>	<u>Testing:</u> Microbiological	B
<b>Address</b> Glaslyn Laboratory Glaslyn Cleppa Park Newport NP10 8UG	<b>Local contact</b> Amanda Rogers  <b>Tel: +44 (0)1633 373007</b> <b>Email: amanda.rogers@dwrwymru.com</b>	<u>Testing:</u> Microbiological Chemical	G



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**Sampling depots:**

Location details	Activity	Location code
<p><b>North</b></p> <p><b>Dinas Depot</b> Llannwnda Caernarfon LL54 5UD</p> <p><b>Local contact</b> Sean Dunne  <b>Tel: +44 (0)1633 373007</b></p>	<p><u>Sampling</u> Sampling of water and wastewater for subsequent chemical and microbiological testing</p> <p><u>Testing</u> Physical and Chemical</p>	SAMP
<p><b>North</b></p> <p><b>Kinmel Park</b> Royal Welch Avenue Bodelwyddan LL18 5TQ</p> <p><b>Local contact</b> Sean Dunne  <b>Tel: +44 (0)1633 373007</b></p>	<p><u>Sampling</u> Sampling of water and wastewater for subsequent chemical and microbiological testing</p> <p><u>Testing</u> Physical and Chemical</p>	SAMP
<p><b>South</b></p> <p><b>Glaslyn</b> Cleppa Park Newport NP10 9UG</p> <p><b>Local contact</b> Sean Dunne  <b>Tel: +44 (0)1633 373007</b></p>	<p><u>Sampling</u> Sampling of water and wastewater for subsequent chemical and microbiological testing</p> <p><u>Testing</u> Physical and Chemical</p>	SAMP
<p><b>West</b></p> <p><b>Players Ind Estate</b> Clydach Road Clydach SA6 5BQ</p> <p><b>Local contact</b> Sean Dunne  <b>Tel: +44 (0)1633 373007</b></p> <p><b>Ty Twi</b> Unit 2 Parc Pensam Carmarthen SA31 2NF</p>	<p><u>Sampling</u> Sampling of water and wastewater for subsequent chemical and microbiological testing</p> <p><u>Testing</u> Physical and Chemical</p>	SAMP



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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
<p>WATERS:</p> <p>Potable, Raw (Surface and Ground) Waters</p>	<p><u>Testing for the purpose of enforcement of the Water Supply (Water Quality) Regulations 2018 (Wales) The Private Water Supplies (Wales) Regulations 2017 &amp; Private Water Supplies (England) 2016 (As amended)</u></p> <p><u>The testing is in accordance with the Drinking Water Testing Specification (DWTS)</u></p> <p><u>Microbiological Testing</u></p> <p>Enumeration of:</p>	<p>Documented In-House Methods based on Standing Committee of Analysts Methods for the Examination of Waters and Associated Materials</p>	
	<p>Coliforms, presumptive and confirmed and <i>Escherichia coli</i> confirmed</p>	<p>LPM001 and LPM002 based on "The Microbiology of Drinking Water" Part 4 (2016) using membrane filtration (MLGA) (standard and large volume analysis)</p>	B, G
	<p><i>Clostridium perfringens</i>, presumptive and confirmed</p>	<p>LPM001 and LPM004 based on "The Microbiology of Drinking Water" Part 6 (2015) using membrane filtration (standard and large volume analysis), confirmation using acid phosphatase</p>	B, G
	<p>Enterococci, presumptive and confirmed</p>	<p>LPM001 and LPM003 based on "The Microbiology of Drinking Water" Part 5 (2012) using membrane filtration (standard and large volume analysis)</p>	B, G
	<p>Heterotrophic plate counts at 22°C and 37°C</p>	<p>LPM005 based on "The Microbiology of Drinking Water" Part 7 (2020) using pour plate (YEA)</p>	B, G



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<p>WATERS (cont'd):</p> <p>Potable, Raw (Surface and Ground) Waters (cont'd)</p>	<p><u>Testing for the purpose of enforcement of the Water Supply (Water Quality) Regulations 2018 (Wales) The Private Water Supplies (Wales) Regulations 2017 &amp; Private Water Supplies (England) 2016 (As amended)</u></p> <p><u>The testing is in accordance with the Drinking Water Testing Specification (DWTS) (cont'd)</u></p> <p><u>Microbiological Testing (cont'd)</u></p> <p>Isolation and enumeration of <i>Cryptosporidium</i> oocysts</p>	<p>Documented In-House Methods based on Standing Committee of Analysts Methods for the Examination of Waters and Associated Materials</p> <p>LPM071 based on "The Microbiology of Drinking Water" Part 14 (2010) using filtration, elution and aspiration. Filta max, IMS, confirmation by microscopy</p>	G
<p>Treated surface water, treated ground water, raw surface water and raw ground water</p>	<p>Flow Cytometry Bacterial Viability and Counting (Total cell counts, Intact cell counts, Dead Cell Counts)</p> <p>Confirmation and species Identification:</p>	<p>LPM077 in house method using Attune NxT Flow Cytometer</p>	G
<p>Indicator bacteria isolated from Potable, Raw (Surface and Ground) Waters using LPM methods</p>	<p>Coliforms Enterococci <i>Escherichia coli</i> <i>Clostridium perfringens</i></p> <p>Enumeration of:</p> <p>Identification and enumeration of Algae</p> <p>Detection of:</p>	<p>In-house method LPM075, using MALDI-TOF (Matrix Assisted Laser Desorption Ionisation – Time of Flight)</p> <p>LPM057 in house method using inverted light microscopy and light chambers</p>	B, G
<p>Swab samples (gel medium transport and cotton swabs)</p>	<p>Coliforms, confirmed <i>Escherichia coli</i>, confirmed</p>	<p>LPM030 – in house method using elution into MRD followed by filtration onto selective media. Confirmation using procedures in LPM 002 and LPM003 as relevant</p>	B, G



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WATERS (cont'd):  Potable, Raw (Surface and Ground) Waters (cont'd)	<u>Testing for the purpose of enforcement of the Water Supply (Water Quality) Regulations 2018 (Wales) The Private Water Supplies (Wales) Regulations 2017 &amp; Private Water Supplies (England) 2016 (As amended)</u>  <u>The testing is in accordance with the Drinking Water Testing Specification (DWTS) (cont'd)</u>  <u>Chemical Testing</u>	Documented In-House Methods based on Standing Committee of Analysts Methods for the Examination of Waters and Associated Materials	
	Absorbance at 254nm Transmission at 254nm	In-house method LPM 064 by spectrometry	G
	pH Conductivity Turbidity	In-house method LPM 043 using automated Skalar	G
	Colour  Chlorophyll A	In-house method LPM 063 using spectrophotometry  In-house method LPM 044 using manual spectrophotometry	G  G



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	Nutrients: Alkalinity Ammonia Chloride Fluoride Nitrite Phosphate Sulphate Total Oxidised Nitrogen Nitrate (by calculation) Nitrate/nitrite ratio (by calculation)	In-house method LPM 036 Using discrete photometric analyser	G
	Bromate Bromide Chlorate Chlorite	In-house method LPM 048 using Dionex IC	G



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	<u>The testing is in accordance with the Drinking Water Testing Specification (DWTS) (cont'd)</u>		
	<u>Chemical Testing (cont'd)</u>		
	Suspended solids	In-house method LPM 045 using filtration, followed by weight difference to derive concentration	G
	Volatile Organic Compounds: Benzene Bromodichloromethane Bromoform Carbon Tetrachloride Chlorodibromomethane Chloroform 1,2-Dichloroethane Tetrachloroethene Trichloroethene 1,1,1-Trichloroethene Total Tetrachloroethene & Trichloroethene (by calculation) Total THM (by calculation)	In-house method LPM 042 using headspace GC-MS	G
	Polycyclic Aromatic Hydrocarbons (PAHs): Fluoranthene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Benzo(g,h,i)perylene  Total PAH (by calculation)	In-house method LPM 047 using solid phase extraction and HPLC with fluorescence detection	G



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	Glyphosate  Acid Herbicides: 2,4,5-T 2,4-D 2,4-DB Asulam Benazolin Bentazone Bromoxynil Clopyralid Dicamba Dichlorprop Fluroxypyr Fluxapyroxad Ioxynil MCPA MCPB Mecoprop Metaldehyde Pentachlorophenol Quinmerac Triclopyr	In-house method LPM 053 using derivatisation, solid phase extraction and LC-MS-MS  In-house method LPM 049 using direct aqueous analysis by LC-MS-MS	G  G



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WATERS (cont'd):  Potable, Raw (Surface and Ground) Waters (cont'd)	<u>Testing for the purpose of enforcement of the Water Supply (Water Quality) Regulations 2018 (Wales) The Private Water Supplies (Wales) Regulations 2017 &amp; Private Water Supplies (England) 2016 (As amended)</u>  <u>The testing is in accordance with the Drinking Water Testing Specification (DWTS) (cont'd)</u>	Documented In-House Methods based on Standing Committee of Analysts Methods for the Examination of Waters and Associated Materials	
	Polar Pesticides: Carbenazim Carbetamide Chlormequat Chlortoluron Diazinon Diflufenican Diuron Ethofumesate Epoxiconazole Flufenacet Flurtamone Linuron Metamitron Metazachlor Metconazole Metsulfuron-methyl Picolinafen Pirimiphos Methyl Prochloraz Propazine Propyzamide Simazine Tebuconazole	In-house method LPM 051 using direct aqueous analysis by LC-MS-MS	G
	Taste and Odour causing contaminants: 2-Methyl isoborneol Geosmin	In-house method LPM 046 using GCMSMS	G
	GCMS qualitative screen for unknown organic compounds (Non DWTS)	In-house method LPM 054 using GC-MS (Non DWTS)	G



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Potable Water	Taste and Odour (Qualitative and Quantitative)	In-house method LPM 041 based on SCA Blue Book Method 233 (2014) using testing panel	G
Surface Water, Ground Water	Odour (Qualitative and Quantitative)	In-house method LPM 041 Based on SCA Blue Book Method 233 (2014) using testing panel	G
Potable, Raw (Surface and Ground) Waters	Taste and Odour (Qualitative)	In-house methods LPM 056 based on SCA Blue Book Methods 233 Method A1 (2014) using laboratory based single panellist	G



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POTABLE AND RAW WATER (Surface and Ground) sampled from:  Water Treatment Works Service Reservoirs (tap sample) Consumer taps Service Reservoirs and Contact Tanks (dip sample) Hydrants Consumer Boundary Box (via standpipe) Water Bowser  Sample Taps	<u>Sampling for Chemical and Microbiological Testing of Water</u>  Sampling for eventual testing for the purpose of enforcement of the Water Supply (Water Quality) Regulations 2018 (Wales) as amended the sampling and appropriate testing is in accordance with the Drinking Water Testing Specification (DWTS) and includes sampling for Cryptosporidium  Swab sampling  <u>Chemical Tests at Site</u>	In house procedures as documented in the company sampling procedures manual  Water sampling documents prefixed: LSC - Core Skills LSP- Procedures LSF - Forms	SAMP
WASTE WATER Sampled from:  Treated Sewage Effluent from Waste Water Treatment Works  Trade effluent to controlled water from Water Treatment Works	<u>Sampling Waste Water</u>  Spot Sampling to meet the requirements of the Environment Agency MCERTS (Water) Performance Standard, and the subsequent chemical testing at a laboratory accredited to ISO 17025:2017 and the MCERTS for testing  <u>Physical Tests at Site</u>  On-site measurement of temperature.  Chemical Tests at Site	By Colorimetry, in-house Procedure LPM031  In house procedures as documented in the company sampling procedures manual  Waste water sampling documents prefixed: WSC - Core Skills WSP- Procedures WSF - Forms	SAMP
Water Treatment Works Effluent Only	Free Residual Chlorine Total Chlorine	By Colorimetry, in house Procedure LPM079	SAMP
<b>END</b>			